

## ABSTRACT

This invention is the procedure of a kind of gene chips. Large amounts of PCR reactions can be performed in a small chip. 100-20,000 Micro-Reactors (MRs) will be implemented in the chips, in which a set of reactive media is

5 immobilized. Many kinds of PCR reactions will be performed simultaneously with the same sample; the selected hundreds of gene will be amplified millions folds, then the several kinds of gene variance can be identified.